



30-045-26450

Gas Analysis Certificate

GPA Standard 2261-13

Method Name au_report_150_C6+
Last calibration date 1/15/2015 1:00:58 PM

Client:	BP	Project #:	03143-0880
Site Name:	Moncrief Fed 1E	Meter ID:	3004526450 (BH)
Sampled by:	Daniel F.	Date Sampled	05-15-15
Analysed by:	Logan Richter	Date Received:	05-15-15
Sample Pressure:	47 psig	Date Analyzed:	05-20-15
Sample Temperature	N/R	Analysis Time:	Standard

Component Results (14.696)

Name	Qty (Norm) [Mol %]	Wt Percent (%)	GPM
Helium	0.000	0.000	0.000
Oxygen	0.005	0.008	0.000
Nitrogen	0.392	0.591	0.043
Carbon Dioxide	0.060	0.143	0.010
Methane	89.082	77.035	15.105
Ethane	6.101	9.889	1.632
Propane	2.621	6.229	0.722
i-Butane	0.510	1.597	0.167
n-Butane	0.651	2.038	0.205
i-Pentane	0.226	0.880	0.083
n-Pentane	0.151	0.589	0.055
C6+	0.202	1.000	0.088
	100.000	100.000	18.110

Calculations at Pressure Base 14.696

Compressibility (Z) (Dry Gas)	0.99726	C2+	2.952
Density (G) (Dry Gas)	0.64061	C3+	1.320
Component MW Total	18.55	C5+	0.226
Heating Value (Dry Ideal) Total BTU	1136.92	Heating Value (Sat Ideal) Total BTU	1117.08
Heating Value (Dry Real) Total BTU	1140.04	Heating Value (Sat Real) Total BTU	1120.04


Reviewed by

05/22/2015
mm/dd/yyyy



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Last calibration date 1/15/2015 1:00:58 PM

Client:	BP	Project #:	03143-0880
Site Name:	Moncrief Fed 1E	Meter ID:	3004526450 (PC)
Sampled by:	Daniel F.	Date Sampled	05-15-15
Analysed by:	Logan Richter	Date Received:	05-15-15
Sample Pressure:	147 psig	Date Analyzed:	05-20-15
Sample Temperature	N/R	Analysis Time:	Standard

Component Results (14.696)

Name	Qty (Norm) [Mol %]	Wt Percent (%)	GPM
Helium	0.000	0.000	0.000
Oxygen	0.005	0.008	0.000
Nitrogen	0.343	0.475	0.038
Carbon Dioxide	1.627	3.542	0.278
Methane	82.936	65.805	14.070
Ethane	8.589	12.773	2.299
Propane	3.557	7.757	0.981
i-Butane	0.668	1.921	0.219
n-Butane	1.165	3.350	0.368
i-Pentane	0.383	1.366	0.140
n-Pentane	0.309	1.101	0.112
C6+	0.418	1.900	0.183
	100.000	100.000	18.686

Calculations at Pressure Base 14.696

Compressibility (Z) (Dry Gas)	0.99676	C2+	4.300
Density (G) (Dry Gas)	0.69828	C3+	2.002
Component MW Total	20.22	C5+	0.435
Heating Value (Dry Ideal) Total BTU	1188.02	Heating Value (Sat Ideal) Total BTU	1167.29
Heating Value (Dry Real) Total BTU	1191.88	Heating Value (Sat Real) Total BTU	1170.95


Reviewed by

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